

202

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HW

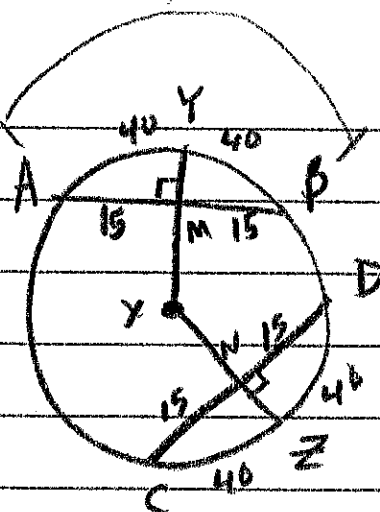
Key p 540 11-34

11. $AM = 15$ 12. $MB = 15$

13. $CN = 15$ 14. $ND = 15$

15. $m\widehat{DZ} = 40^\circ$ 16. $m\widehat{CD} = 80^\circ$

17. $m\widehat{AB} = 80^\circ$ 18. $m\widehat{YB} = 40^\circ$



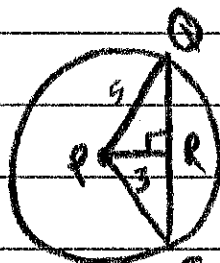
$AB = 30$

$CD = 30$

$m\widehat{CE} = 40$

19. $QR = 4$ $5^2 = 3^2 + QR^2$

20. $QS = 8$ 4×2

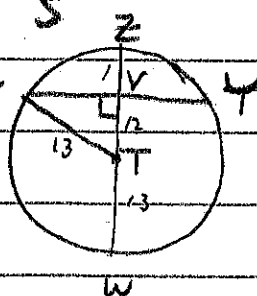


$PR = 5$

$r = 5$

21. $XV = 5$ $13^2 = 12^2 + XV^2$

22. $XY = 10$ 5×2 $5 = XV$



$ZV = 1$

$TW = 13$

$VT = 13 - 1 = 12$

23. 45° octagon $360 \div 8$

24. 90° square $360 \div 4$

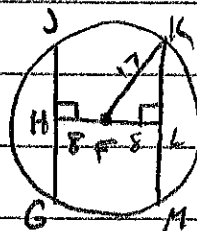
25. $m\widehat{NP} = m\widehat{RQ} = 120$ $2(2x + x) = 360$

$m\widehat{NR} = m\widehat{PQ} = 60$ $x = 60$

26. $LK = 15$ $17^2 = 8^2 + LK^2$

27. $KM = 30$

28. $JG = 30$ 29. $JH = 15$



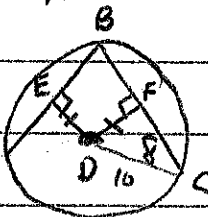
$\overline{FH} \cong \overline{FL}$

$FK = 17$

30. $FB = 8$ 31. $BC = 16$

32. $AB = 16$ 33. $ED = 6$

$10^2 = 8^2 + ED^2$



34. $4a - 5 = -5a + 13$

$ST = -5(2) + 13$

$9a = 18$

$ST = 3$

$a = 2$

$SQ = 1.5$